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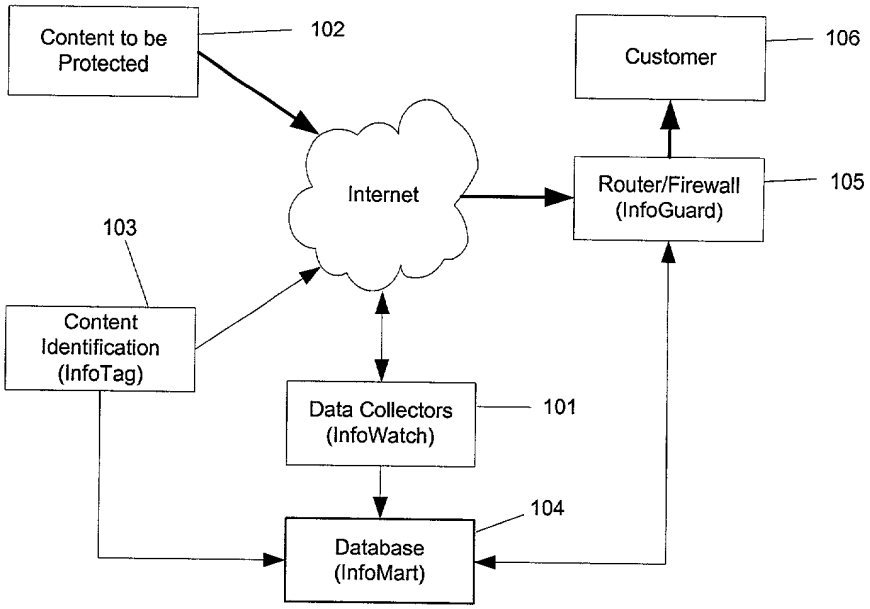


InfoSeer Control Systems

= Normal Content Traffic

= InfoSeer Control Systems Interactions

Figure 1

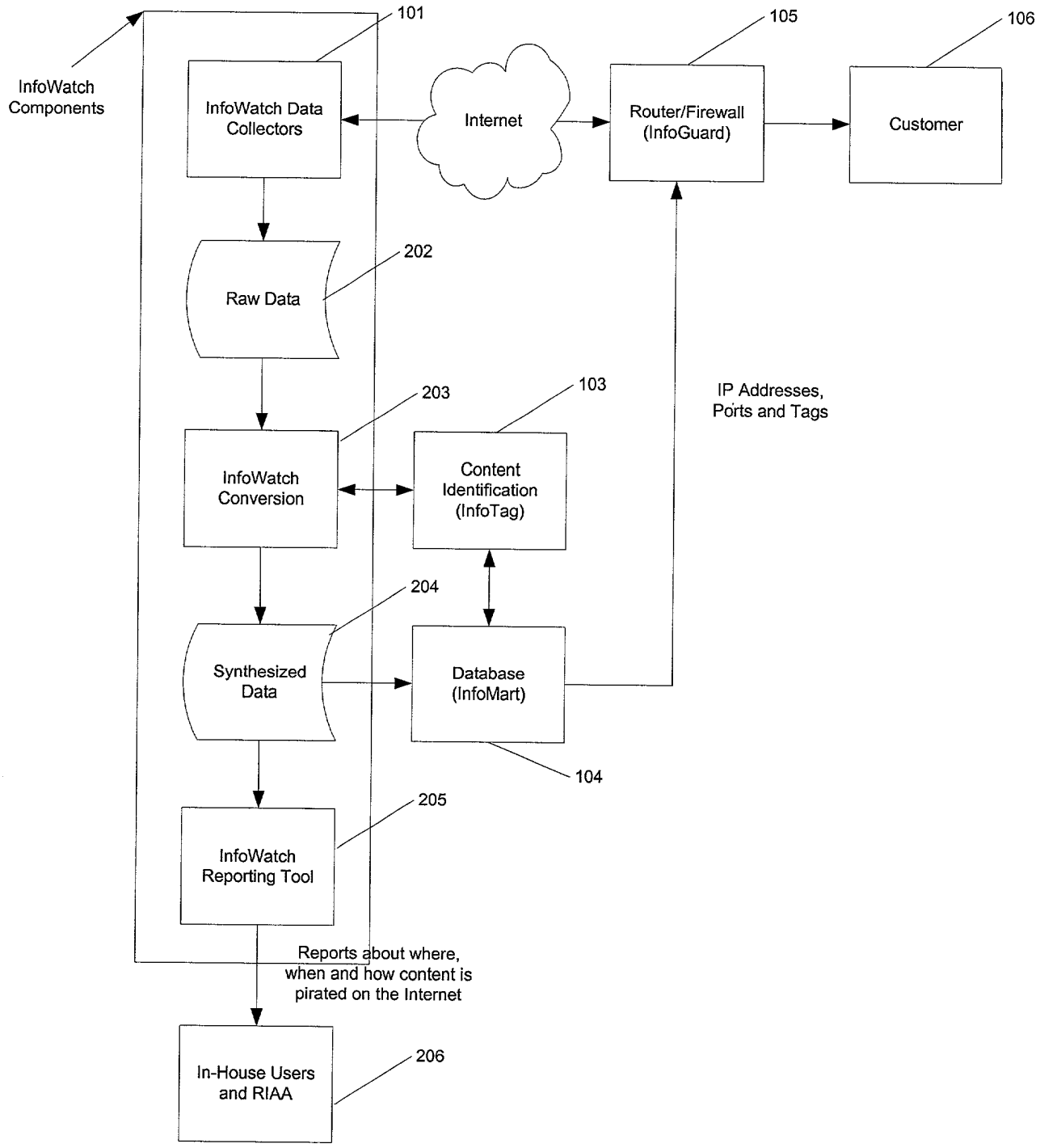

InfoWatch Components
101
InfoWatch Data Collectors
Internet
105
Router/Firewall (InfoGuard)
106
Customer
Raw Data
202
203
InfoWatch Conversion
103
Content Identification (InfoTag)
IP Addresses, Ports and Tags
204
Synthesized Data
Database (InfoMart)
104
205
InfoWatch Reporting Tool
Reports about where, when and how content is pirated on the Internet
206
In-House Users and RIAA

Figure 2

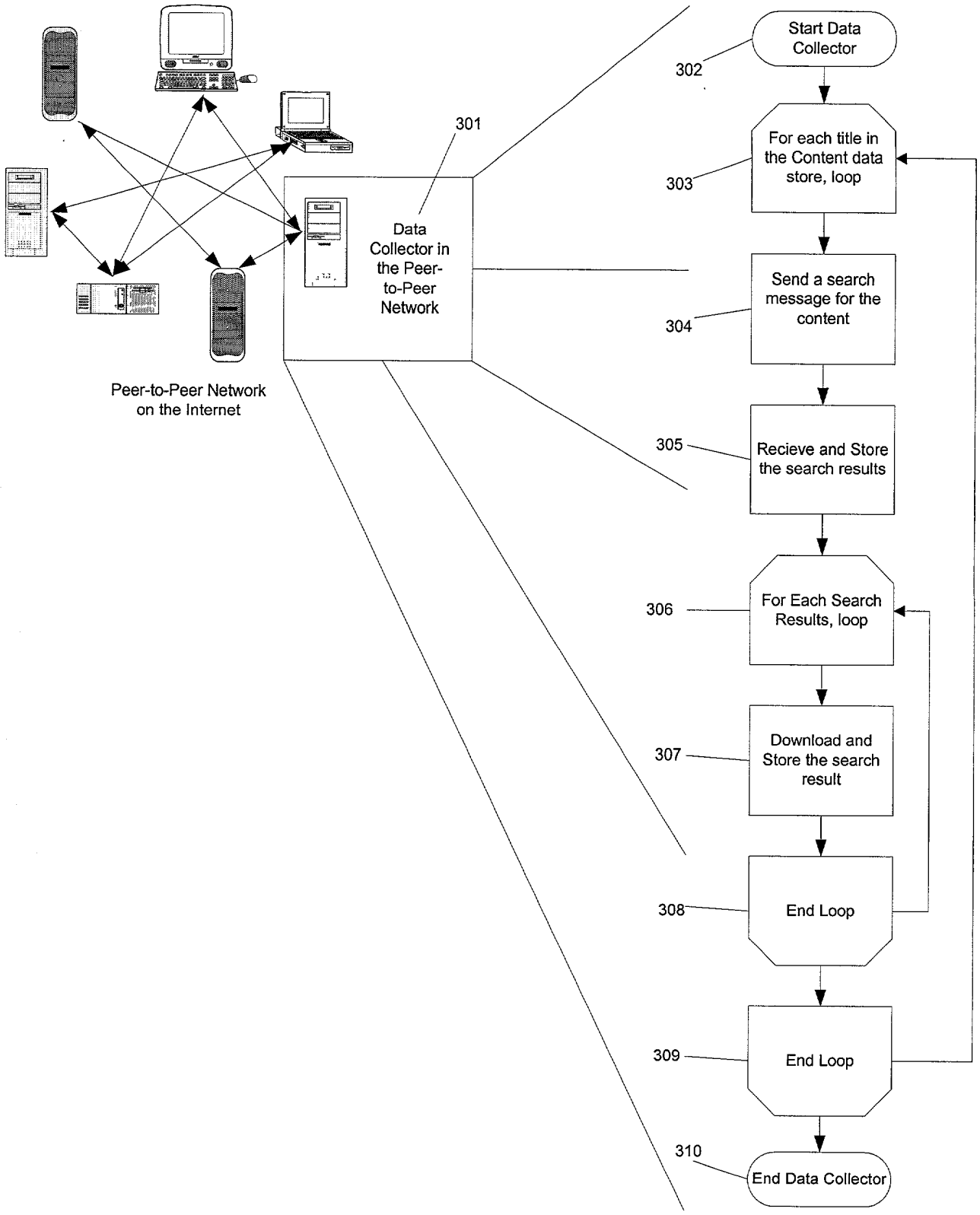
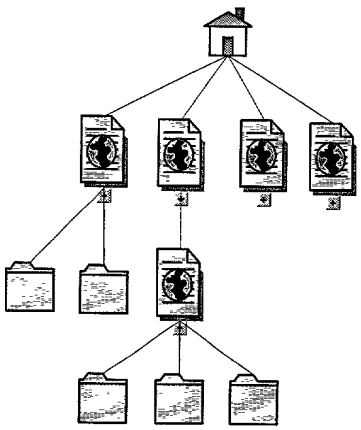

Peer-to-Peer Network on the Internet
301
Data Collector in the Peer-to-Peer Network
Start Data Collector
302
For each title in the Content data store, loop
303
Send a search message for the content
304
Recieve and Store the search results
305
For Each Search Results, loop
306
Download and Store the search result
307
End Loop
308
End Loop
309
310
End Data Collector

Figure 3



Any website distibruting copyrighted content

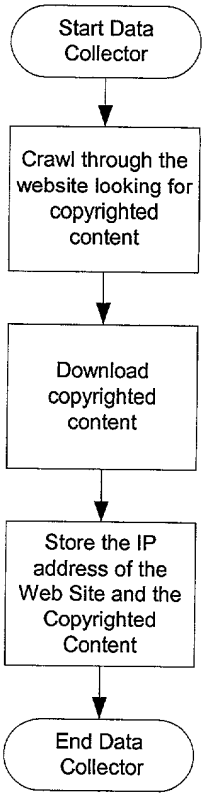
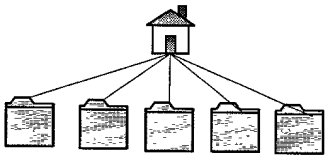


Figure 4

Attorney Docket No. 82414v02



Any ftp site distibruting copyrighted content

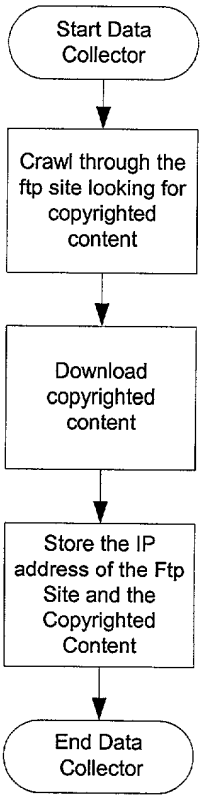
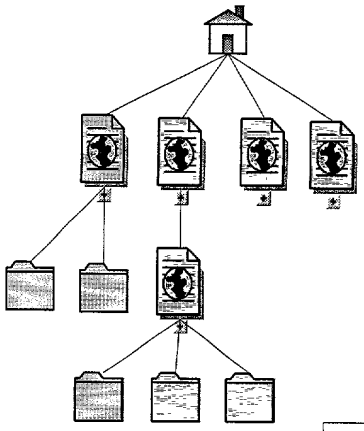


Figure 5

Declaration - Page 18 of 20



Any website distibruting copyrighted content

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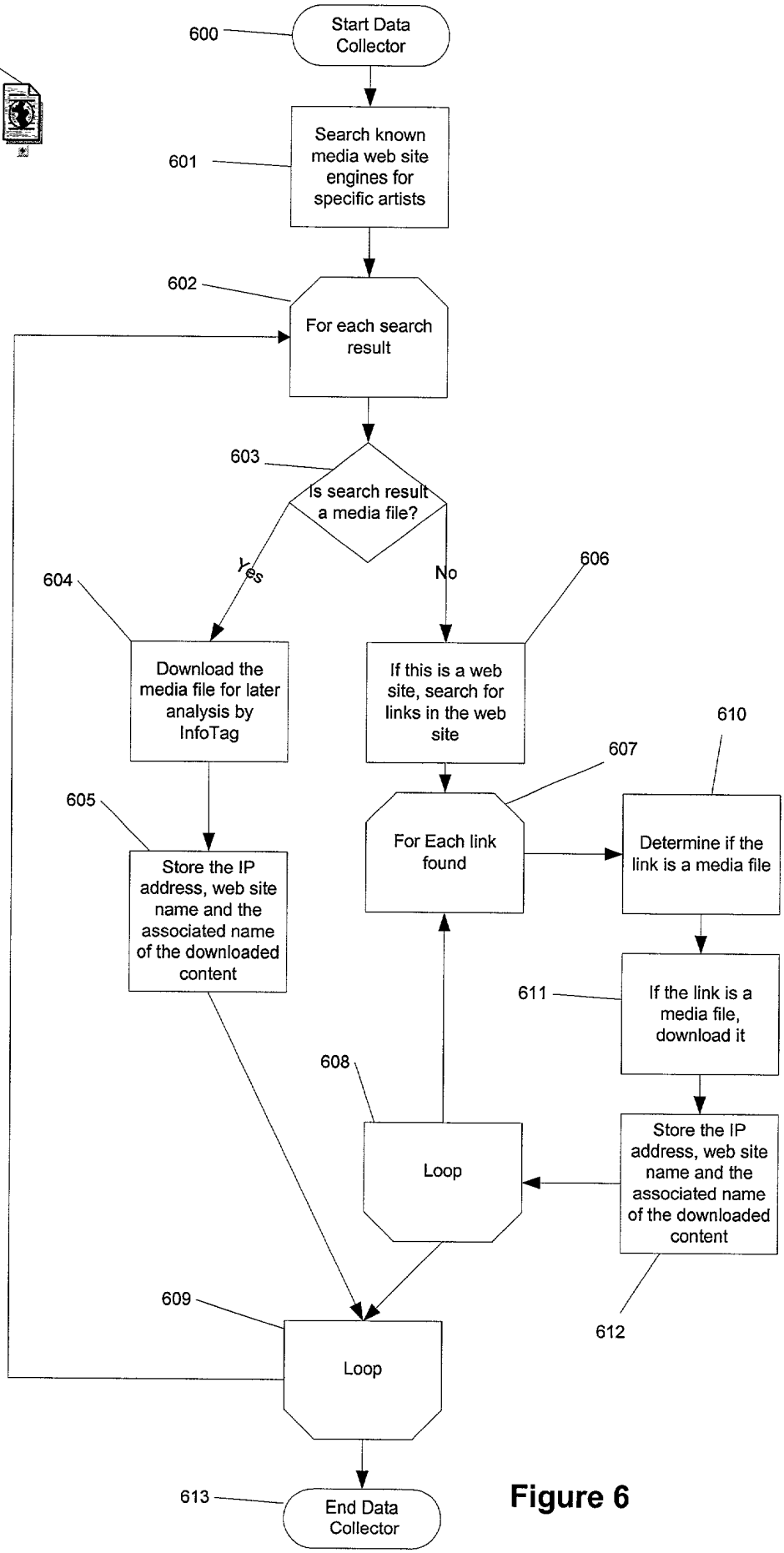

Figure 6

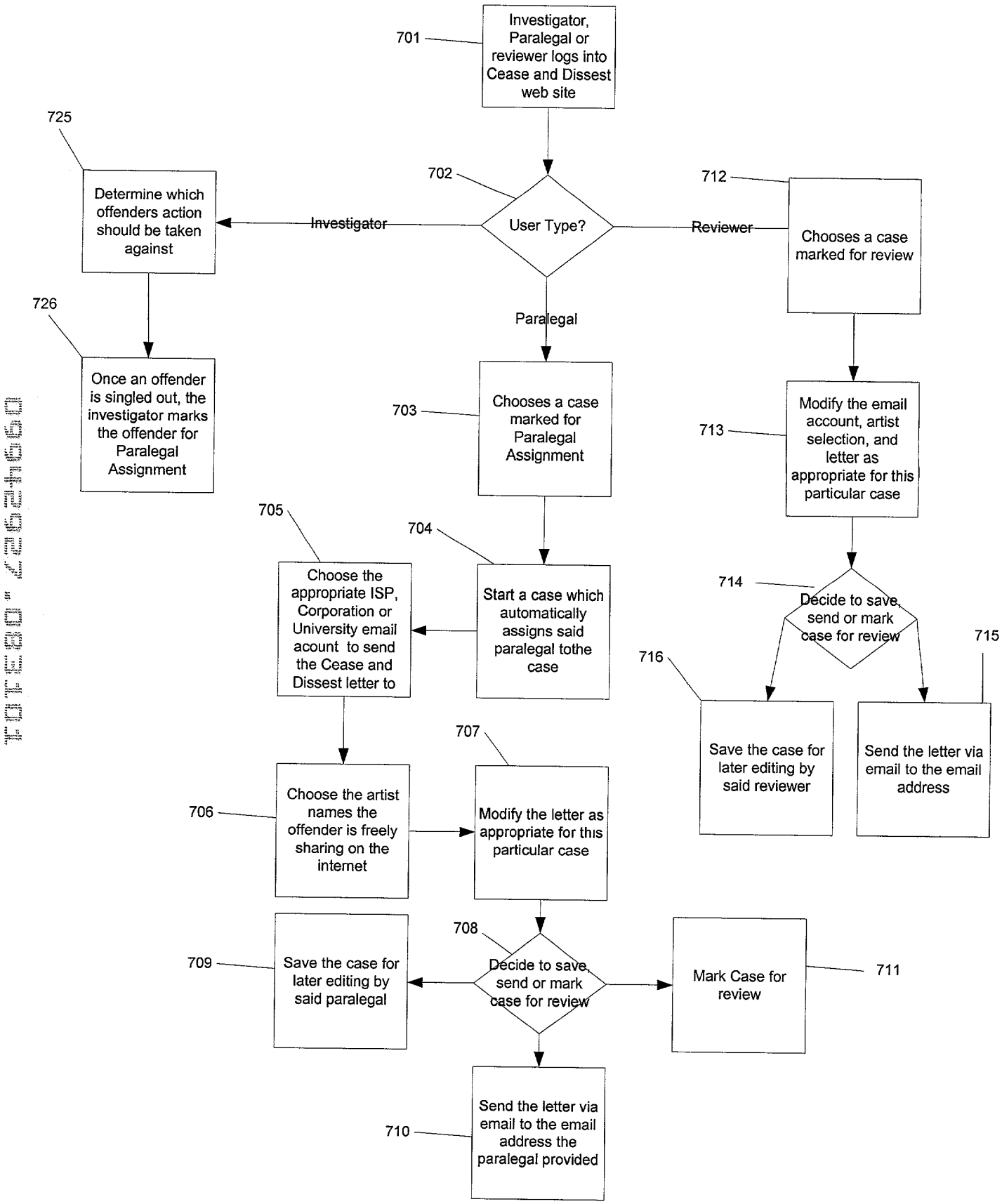
701
Investigator, Paralegal or reviewer logs into Cease and Dissest web site
702
User Type?
Investigator
Paralegal
Reviewer
725
Determine which offenders action should be taken against
726
Once an offender is singled out, the investigator marks the offender for Paralegal Assignment
703
Chooses a case marked for Paralegal Assignment
704
Start a case which automatically assigns said paralegal tothe case
705
Choose the appropriate ISP, Corporation or University email acount to send the Cease and Dissest letter to
706
Choose the artist names the offender is freely sharing on the internet
707
Modify the letter as appropriate for this particular case
708
Decide to save, send or mark case for review
709
Save the case for later editing by said paralegal
710
Send the letter via email to the email address the paralegal provided
711
Mark Case for review
712
Chooses a case marked for review
713
Modify the email account, artist selection, and letter as appropriate for this particular case
714
Decide to save, send or mark case for review
715
Send the letter via email to the email address
716
Save the case for later editing by said reviewer

Figure 7

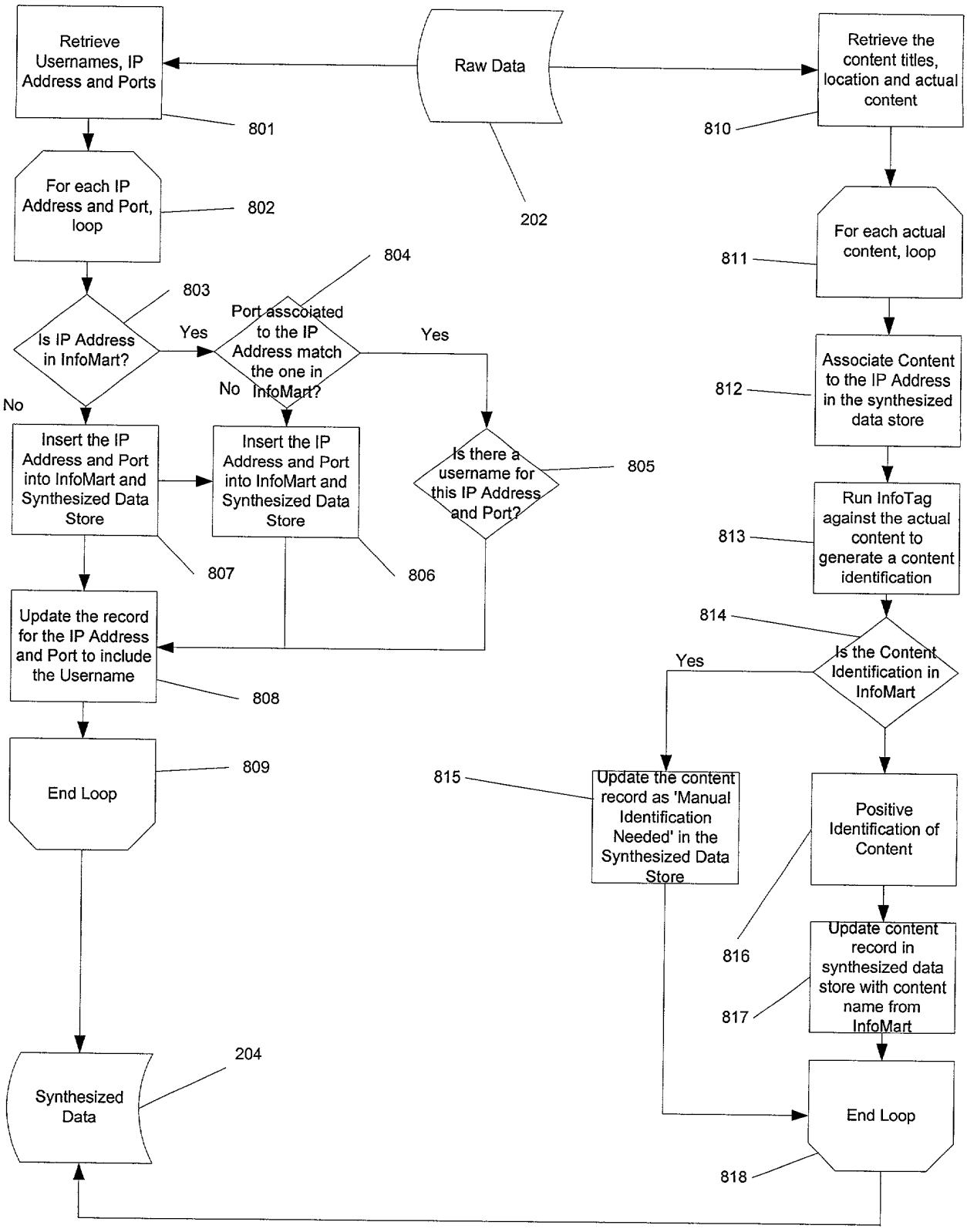
Retrieve Usernames, IP Address and Ports
801
Raw Data
202
Retrieve the content titles, location and actual content
810
For each IP Address and Port, loop
802
For each actual content, loop
811
804
803
Is IP Address in InfoMart?
Yes
Port asscoiated to the IP Address match the one in InfoMart?
Yes
No
No
Associate Content to the IP Address in the synthesized data store
812
Insert the IP Address and Port into InfoMart and Synthesized Data Store
Insert the IP Address and Port into InfoMart and Synthesized Data Store
Is there a username for this IP Address and Port?
805
Run InfoTag against the actual content to generate a content identification
813
807
806
814
Update the record for the IP Address and Port to include the Username
808
Is the Content Identification in InfoMart
Yes
End Loop
809
815
Update the content record as 'Manual Identification Needed' in the Synthesized Data Store
Positive Identification of Content
816
Update content record in synthesized data store with content name from InfoMart
817
204
Synthesized Data
End Loop
818

Figure 8